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a plurality of scanning signal lines, each connected to control electrodes of a row;

a plurality of data signal lines, each connected to first electrodes of a column;

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a data driver for selectively applying data signals to the data lines; and

a gate driver connected to the plurality of scanning signal lines, said gate driver receiving first and second voltages and scanning clock signals;

wherein the gate driver outputs the first voltage on a selected gate line during the application of a data signal in response to a scanning clock signal, wherein the gate driver outputs the second voltage on the selected gate line during the application of the data signal, wherein the second voltage is applied after the first voltage, wherein the gate driver outputs a reference potential in response to a subsequent scanning clock signal after the application of the second voltage;

wherein each switching device having a gate electrode connected to the selected gate line applies the data signal to the pixel electrode in response to the first voltage;

wherein each switching device having a gate electrode connected to the selected gate line turns off in response to the reference potential; and

wherein the second voltage is substantially equal to a potential of the data signal.

46. (Amended) The active matrix/liquid crystal display apparatus as claimed in claim 38, wherein the gate driver includes a timing controller.

47. (Amended) The active matrix liquid crystal display apparatus as claimed in claim 38, wherein the gate driver includes analog switches that are controlled by a shift register.

50. (Amended) The active matrix liquid crystal display apparatus of claim 38, wherein the

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second voltage is ground.

Please ADD new claims 56-81 as follows:

--56. (New) An active matrix liquid crystal display apparatus, comprising:

a plurality of pixels including switching transistors each having a gate electrode, a first electrode and a second electrode connected to a pixel electrode;

a plurality of data signal lines each connected to the first electrode associated with any one of the transistors;

a plurality of gate signal lines each connected to the gate electrode associated with any one of the transistors; and

a gate driver connected to the plurality of the gate signal lines, said gate driver receiving a first gate voltage and a second gate voltage and outputting any one of the first gate voltage and the second gate voltage to drive the gate signal lines sequentially, said first gate voltage reducing a voltage level substantially to a threshold voltage level but enough to maintain an on-state of the switching transistor prior to transitioning to the second gate voltage, wherein the second gate voltage has a voltage level that turns off the switching transistor.

- 57. (New) The active matrix liquid crystal display apparatus as claimed in claim 56, wherein the first gate voltage reduces the voltage level prior to exciting of the successive gate signal lines.
- 58. (New) The active matrix liquid crystal display apparatus as claimed in claim 56, wherein the first gate voltage reduces the voltage level exponentially.
- 59. (New) The active matrix liquid crystal display apparatus as claimed in claim 56, wherein the first gate voltage reduces the voltage level linearly.

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60. (New) The active matrix liquid crystal display apparatus as claimed in claim 56, wherein the first gate voltage reduces the voltage level stepwise.

61. (New) The active matrix liquid crystal display apparatus as claimed in claim 56, wherein a minimum value of the first gate voltage is higher than a maximum value of the second gate voltage.

62. (New) A method of driving an active matrix liquid crystal display apparatus including pixels defined by gate lines and signal lines, thin film transistors connected to the gate lines and the signal lines, and a gate driver connected to the gate lines and having a shift register, said method comprising:

applying a first gate voltage and a second gate voltage; the first gate voltage having a voltage level that turns on the switching transistor and the second gate voltage having a voltage level that turns off the switching transistor; and

supplying the first gate voltage and the second gate voltage selectively via a switching device, to the gate lines, said switching device being controlled by the shift register, said first gate voltage reducing a voltage level substantially to a threshold voltage level but enough to maintain an on-state of the switching transistor prior to transitioning to the second gate voltage.

63. (New) The method as claimed in claim 62, wherein the first gate voltage is supplied to the gate lines during a time interval when the thin film transistors connected to the gate lines are turned on.

64. (New) The method as claimed in claim 62, wherein the shift register operates at a driving voltage having a logical voltage level.

65. (New) The active matrix liquid crystal display apparatus of claim 56, further comprising:

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a high level gate voltage generator providing the first gate voltage to the gate driver, the high level gate voltage generator comprising,

a high level voltage source providing a high level voltage, and

a voltage controller receiving the high level voltage and providing the first gate voltage having the voltage level reduced substantially to the threshold voltage level prior to excitation of a successive gate signal line.

66. (New) The active matrix liquid crystal display apparatus of claim 65, wherein the voltage controller comprises a switch switching the first gate voltage between the high level voltage and a fixed voltage prior to excitation of the successive gate signal line.

67. (New) The active matrix liquid crystal display apparatus of claim 66, wherein the fixed voltage is ground.

68. (New) The active matrix liquid crystal display apparatus of claim 65, wherein the gate driver includes a switch connected to an output of the high level gate voltage generator, said switch selectively providing the first gate voltage and the second gate voltage to the plurality of the gate signal lines.

69. (New) The active matrix liquid crystal display apparatus of claim 65, further comprising a low level gate voltage generator providing the second gate voltage to the gate driver.

70. (New) The active matrix liquid crystal display apparatus of claim 69, wherein the gate driver includes a switch connected to an output of the high level gate voltage generator and an output of the low level gate voltage generator, said switch switching between the output of the high level gate voltage generator and the output of the low level gate voltage generator to provide the first and second gate voltage signals respectively to the plurality of the gate signal lines.

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71. (New) A liquid crystal display (LCD) device, comprising:

a plurality of pixels arranged in rows and columns, each pixel including,

a pixel electrode, and

a switching device having a control electrode, a first electrode, and a second electrode connected to the pixel electrode;

a plurality of data signal lines each connected to the first electrode of the switching device of each pixel in one of the columns;

a plurality of scanning signal lines each connected to the control electrode of the switching device of each pixel in one of the rows; and

a gate driver connected to the plurality of scanning signal lines, said gate driver receiving first and second control voltages and a scanning clock signal and, in response to the scanning clock signal, successively outputting the first control voltage to the scanning signal lines to drive the scanning signal lines,

wherein the switching device of each pixel responds to the first control voltage to connect the first electrode with the pixel electrode, and responds to the second control voltage to disconnect the first electrode from the pixel electrode,

wherein a voltage level of the first control voltage received by the gate driver changes during a period of the scanning clock signal prior to the driver selecting a successive scanning line, and

wherein the voltage level of the first control voltage turns on the switching device and the voltage level of the first control voltage is reduced substantially to a threshold voltage level but enough to maintain an on-state of the switching device during the period of the scanning clock signal prior to the driver selecting the successive scanning line.

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72. (New) The LCD device of claim 71, further comprising:

a high level control voltage generator providing the first control voltage to the driver, the high level control voltage generator comprising,

a high level voltage source providing a high level voltage, and

a voltage controller receiving the high level voltage and providing the first control voltage having the voltage level reduced substantially to the threshold voltage level prior to excitation of the successive gate signal line.

73. (New) The LCD device of claim 72, wherein the voltage controller comprises a switch switching the first control voltage between the high level voltage and a fixed voltage prior to the driver selecting the successive scanning line.

74. (New) The LCD device of claim 72, wherein the driver includes a switch connected to an output of the high level gate voltage generator, said switch selectively providing the first control voltage and the second control voltage to the plurality of scanning signal lines.

75. (New) The LCD device of claim 74, further comprising a low level gate voltage generator providing the second control voltage to the driver.

76. (New) A method of driving a liquid crystal display device, having a plurality of gate electrodes, a plurality of contact electrodes, and a plurality of pixel electrodes connected to the plurality of gate electrodes, the method comprising:

providing a plurality of first lines and a plurality of scanning lines that are arranged in a matrix pattern, wherein the plurality of first lines connect to the plurality of contact electrodes, and wherein the plurality of scanning lines connect to the plurality of gate electrodes;



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sequentially applying a first voltage to each of the plurality of scanning lines, wherein the first voltage electrically connects the plurality of contact electrodes to the plurality of pixel electrodes; and

sequentially applying a second voltage to each of the plurality of scanning lines, wherein the second voltage electrically disconnects the plurality of contact electrodes from the plurality of pixel electrodes,

wherein the second voltage is sequentially applied to each of the plurality of scanning lines after the application of the first voltage to each of the plurality of scanning lines but prior to the sequential application of the first voltage to another one of the plurality of scanning lines, said first voltage reducing a voltage level substantially to a threshold voltage level but enough to maintain a connection between the plurality of contact electrodes to the plurality of pixel electrodes prior to applying the second gate voltage.

77. (New) The method of driving according to claim 76, wherein the first voltage is greater than said second voltage.

78. (New) The method of driving according to claim 76, wherein the first voltage reduces the voltage level exponentially.

79. (New) The method of driving according to claim 76, wherein the first voltage reduces the voltage level linearly.

80. (New) The method of driving according to claim 76, wherein the first voltage reduces the voltage level stepwise.

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81. (New) The method of driving according to claim 76, further comprising:

generating the first voltage using a first voltage source;

to a successive one of the plurality of scanning lines.--

generating the second voltage using a second voltage source; and

applying the first and second voltage to the plurality of scanning lines using a switch, the switch being selectively connectable to both the first and second voltage sources, wherein the switch connects to the first and second voltage sources prior to the application of the first voltage